

HINO

700 Series

SH 1845



4 x 2 Cab Chassis

*Illustration may contain items not standard to the model

KEY FEATURES

Pre-Collision System (PCS) including AEB & PD
 Vehicle Stability Control (VSC)
 Lane Departure Warning System (LDWS)
 Adaptive Cruise Control
 Transmission Intarder & Engine retarder (Jake) brake
 Reverse camera
 ISRI 6860/870 NTS2 with integrated safety belt
 ADR 80/03 Emission level using Euro 6 Standard
 LED Main beam Headlamps with Daytime running Lamps (DRL)
 Polished Alcoa wheels
 Differential Cross Lock
 Driver Monitor (DM)
 Hino Connect Telematics

KEY SPECIFICATIONS

GVM	16,000kg
GCM	42,000kg
Power	450hp/331kW
Torque	2,157Nm
Transmission	ZF TraXon 16 Spd AMT
Wheelbase	3.4 m

ENGINE

Engine model	Hino E13C-BL
Max.output (ISO Net) @ 1,500 to 1,800rpm	450hp/331kW
Max.torque (ISO Net) @ 1,000 to 1,400rpm	2,157Nm
Max. engine rpm	2,200
Engine compliance	ADR 80/03 using Euro 6 Standard
Type	Diesel, turbo & intercooled, 6 cylinder, OHC
Combustion system	Direct injection
Bore & stroke	137 x 146 mm
Piston displacement	12.913L
Fuel injection system	Electric control common rail
Air cleaner & intake	Behind cab mounted with paper element
Exhaust system	Horizontal outlet
Emission control systems	DOC,DPR & SCR after treatments
Engine immobiliser	Equipped

TRANSMISSION & GEAR RATIOS

Make, model & Description	Automated Manual Transmission (AMT)			
	ZF TraXon ZF16TX2441TO 16 speed AMT with Intarder			
Shifter type	Dash mounted rotary switch with Column mounted sequential shifter			
GEAR RATIOS	1	14.682	9	3.216
	2	12.048	10	2.639
	3	9.919	11	2.173
	4	8.139	12	1.783
	5	6.780	13	1.485
	6	5.564	14	1.219
	7	4.565	15	1.000
	8	3.746	16	0.821
	Reverse 1	14.138	Reverse 2	11.602
Rear axle ratio	3.727			

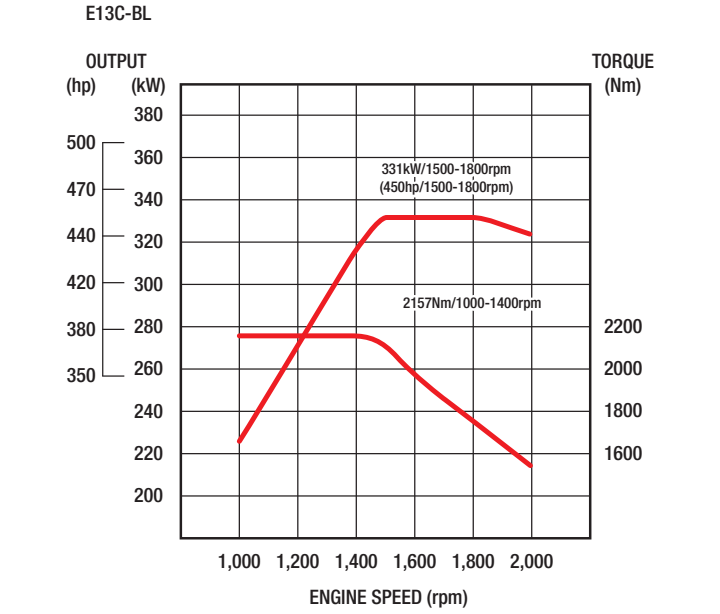
PERFORMANCE

Calculations based on 11R22.5 drive tyres @ 42t GCM	
Engine RPM @ 100 km/h	1,596
Road Speed limited to	100 km/h
Max theoretical speed km/h	137
Theoretical gradeability % @ GCM	60.0%

BRAKES

Type	Full Air, 4 wheel Disc
Control	Electronic Brake System (EBS)
Disc Diameter	434 mm
Park brake	Spring brake acting on the drive axle
Engine retarder (Jake) Brake	Equipped
Transmission ZF Intarder	Equipped
Brake Sync	Brake pedal activated Engine brake
ES Start (Easy Smooth) Hill assist	Equipped
Trailer brake controls & Connection	Equipped

POWER & TORQUE CHART (ISO NET) E13C-BL



SAFETY FEATURES

Active Safety Features – Hino SmartSafe		
Vehicle Stability Control	VSC	Equipped
Anti-lock Brake System	ABS	Equipped
Pre-Collision System	PCS	Equipped
PCS is inclusive of	Autonomous Emergency Braking	AEB
	Pedestrian Detection	PD
Adaptive Cruise Control	ACC	Equipped
Anti-Slip Regulator	ASR	Equipped
Lane Departure Warning System	LDWS	Equipped
Reverse buzzer & camera	RC	Equipped
Driver Monitor	DM	Equipped
Daytime Running Lamps	DRL	Equipped
Safety Eye	SE	Equipped
Park brake door open warning		Equipped
Passive Safety Features		
ECE-R29 Cab Strength Certification		Equipped
SRS airbag for driver		Equipped
SRS seatbelt pretensioner for driver		Equipped
Shock absorbing & collapsible steering column		Equipped
Front Underrun Protection (FUP)		Equipped

AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model & Type	MF 781R Reverse Elliot I-beam
	Suspension	Taper Leaf Spring, shock absorbers & Stabiliser bar
	Axle Limit (incl suspension)	7,500 kg
	Tyre limit	6,900 kg
REAR	Rear Axle Model & Type	SH19 fully floating single reduction
	Differential Cross Lock	Equipped
	Suspension	Hino 4 bag air suspension with ECAS
		Road Friendly Suspension Certified
	Axle Limit (incl suspension)	12,800 kg
	Tyre Limit	10,900 kg

CHASSIS FRAME

Type	Ladder-shaped channel section side rails	
Depth, Flange, Thickness	279 x 80 x 9.0 mm	
Chassis width (at rear)	840 mm	
Tensile strength	620 N/mm²	
Front Underrun Protection (FUP)	Equipped	
Front tow hook	Equipped	

WHEELS & TYRES

Wheel type	10-Stud disc wheel (ISO type) PCD 335 mm	
Rim type & size	Polished Alcoa 22.5" x 8.25"	
Tyre size	Front	295/80R22.5
	Rear	11R22.5
Number of wheels and tyres	Seven (7) including spare	
Spare tyre	Temporary mounted	

FUEL TANK & SUPPLY

Diesel tank type & capacity	Aluminium 450 Lts
Diesel tank lockable fuel cap	Equipped
Diesel fuel filtration	Primary, secondary & sedimenter
AdBlue® Tank Capacity	56 Lts

ELECTRICAL

Type	24 volt negative earth system
Batteries	12 volt x 150 AH 145G51 x 2
Alternator capacity	90 amp
Starter type	24v – 6.0kW
Main Beam Headlamps (LED)	Equipped
Daytime Running Lamps (LED)	Equipped
Cornering Lamps	Equipped
Electric operated air horn	Equipped
Reverse buzzer & camera	Equipped
12 Volt 120W power socket	Equipped
USB 2.1A charging port	Equipped

STEERING

Type	Telescopic and Tilt adjustable steering column, recirculating ball integral power steering	
Steering Angle	Inside 49°	Outside 35°

GENUINE ACCESSORY OPTIONS

Bullbar	Rubber floor mats
Chrome wheel covers	Seat covers (Wool, Canvas, Carbon)
Cameras (up to additional 5 extra)	Stone guard
DVR	Sunvisor
Dash mat	Truck spec GPS nav with live traffic
Foot well Liners	Weathershields
Lane Change kit	

Please check with your dealer for availability, price & fitment

CAB EXTERIOR

Type	Forward control, all steel, welded construction, Fully floating air suspended with electro hydraulic power tilt	
ECE R29 Cab Strength	Certified	
Windscreen wipers washers	Triple wet wiper arms	
Grille Colour	Chrome	
Outside rearview mirrors	2 Flat type main, heated & electric control	
	2 convex spotter type, mounted below the main	
	LHS kerb view & front kerb view mirrors	
Windscreen Glass	Heat absorbing laminated glass	

CAB INTERIOR

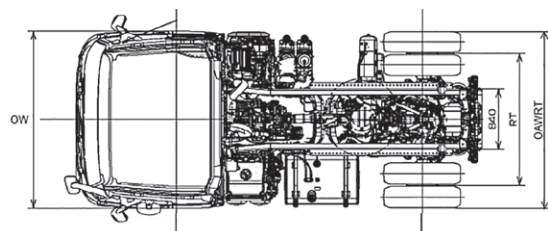
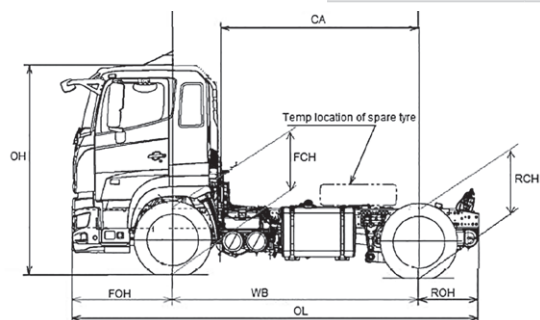
Seating Capacity	Two (2)	
Driver's seat	ISRI 6860/870 NTS2 with integrated safety belt	
Assistant's Seat	Fixed High-back, reclining	
Seat Covering	Fabric cover	
Seat belts	Driver's seat	3-point Lap/Sash type with ELR
	Assistant's seat	
SRS airbag and pre-tensioner	Driver side	
Sun visor & overhead consoles	Driver & side passenger	
Sleeper berth	ADR 42 Capable	
Multimedia unit	10.1" UXGA capacity touch screen, wireless Apple CarPlay and Android auto compatible, AM/FM+RDS/DAB + radio, Bluetooth 5.0 phone and audio, input for up to 6 cameras, USB 2.0 and 3.0, 2.4 Ghz Wi-Fi enabled	
Automatic climate control	Equipped	
Central & remote door locking	Equipped with Immobiliser	
Power windows	Equipped	
Drivers footrest	Equipped	
Driver's seat back pocket	Equipped	
Centre document tray	Equipped	
Cup holders	Within centre tray & door pockets	
Tool kit & Jack	Equipped	
LED courtesy & reading lights	Equipped	

INSTRUMENTATION & CONTROLS

Multi Information Display (MID)	Meters & Gauges
Safety feature settings	Speedometer
General information settings	Tachometer
Eco driving	Air Pressure gauges x 2
DPR filter gauge	Dash mounted switches
Cruise control settings	Climate controls
LCD Display	LDWS off
Date & Time	PCS off
Battery warning	VSC off
Drivers seatbelt warning	Headlight leveller
Coolant	Hazard lights
Fuel & AdBlue® gauge	DPR manual regeneration
ODO, trip & hour meters	ECAS height control
Steering wheel & Column controls	Heated mirrors
MID setting	Idle up
Cruise control settings	Powered mirror control
Hands free phone	Differential Cross Lock
Lights & Indicator	Brake Sync
Engine brake & wiper washer	

SH 1845

700 Series



DIMENSIONS – MM/WEIGHTS – KG

Model Description		SH 1845 AMT AIR 3450
Product Code		SH1EAKG-ESAPEAC
Application		Prime Mover
Wheelbase (WB)		3,450
Overall length (OL)		5,685
Cab Width (CW)		2,490
Over All Width Rear Tyres (OAWRT)		2,470
Overall height (OH)		3,015
Cab to rear Axle centre (CA)		2,775
Front Overhang (FOH)		1,400
Rear Overhang (ROH)		835
Front Chassis Height (FCH)		985
Rear Chassis Height (RCH)		990
Road Clearance		225
Front Track (FT)		2,050
Rear Track (RT)		1,845
Turning Circle	Kerb to Kerb	12,200
	Wall to Wall	14,000
Indicative chassis mass-kg (STD tools, 10 litres of fuel, spare tyre & subject to a +/- 3% tolerance)		
Total		6,793
Front		4,864
Rear		1,929
Standard Ratings	GVM	16,000
	GCM	42,000

Drawings are for reference only to the table. For specific layouts please refer to the Body Mounting Manual drawings.

WARRANTY

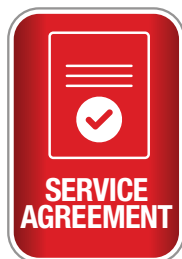
New vehicle warranty period

Heavy Duty Model	Standard warranty (whichever comes first)	Engine component warranty (whichever comes first)	Cab corrosion perforation
700 SH 1845	3 years or 500,000km	60 months or 750,000km	36 months

Battery warranty – 12 months from date of delivery

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer *

* For conditions, refer to the Hino Parts & Service warranty brochure



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